**Unit 9 Map (Ecology)**

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| **Topic** | **Specific Learning Target** | **Where did I learn this?**  (What resources should I use to study?) | **How well do I know this?**  (scale of 1 to 3, with 3 indicating a high level of understanding) |
| Population Ecology | 1. I can compare/contrast the two types of population growth – exponential and logistic. |  |  |
| 2. I can compare and contrast the types of limiting factors to population growth—density dependent and density-independent. |  |  |
| 3. I can analyze age structure pyramids and describe how human populations are growing based on these diagrams. |  |  |
| Community Ecology | 4. I can compare and contrast the different types of symbiotic relationships within communities. |  |  |
| Ecosystem Ecology | 5. I can identify and describe the different levels of ecological organization—biosphere, biome, ecosystem, community, and population. |  |  |
| 6. I can describe the events involved in primary and secondary ecological succession. |  |  |
| 7. I can describe the energy transfers that occur within an ecosystem. |  |  |
| 8. I can describe the cycling of key elements and compounds (ex: nitrogen, sulfur, phosphorus, carbon, and water) between living organisms and the non-living environment. |  |  |
| 9. I can list key features of the main terrestrial and aquatic biomes. |  |  |